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ABSTRACT

The feasibility of developing cooperative arrangements for sharing exotic foreign language serial titles among the health sciences libraries of California was investigated. Preliminary circulation counts indicated that 74 percent of the 77 titles counted had circulated twice a year or less and that the health sciences libraries do maintain multiple subscriptions to those titles. Because the National Library of Medicine is encouraging cooperative programs among health sciences libraries and because the libraries represented in this study now have access to an on-line serials data base to aid in the implementation of such arrangements, there exist the incentive and the means to initiate some cooperative arrangements. The study results indicate that exotic foreign language serials might be a useful category with which to begin. Some particular titles are suggested for consideration. (Author/DGC)

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Feasibility of Cooperative Collecting of Exotic Foreign Language Serial Titles Among Health Sciences Libraries in California

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ABSTRACT

Declining library budgets have recently necessitated cutbacks in serial subscriptions in the University of California and other California libraries. In order to maximize availability for library users while minimizing dollars spent for serials, it seems desirable to coordinate serial cutbacks and develop cooperative arrangements for acquiring and sharing low-use materials. The feasibility of developing cooperative arrangements for exotic foreign language serial titles among the health sciences libraries of California was investigated. Preliminary circulation counts indicate that 74.0 per cent of the 77 titles counted had circulated twice a year or less and that the health sciences libraries do maintain multiple subscriptions to these titles. Because the National Library of Medicine is encouraging cooperative programs among health sciences libraries and because the libraries represented in this study now have access to an on-line serials data base to aid in the implementation of such arrangements, they have the incentive and the means to initiate some cooperative arrangements. The study suggests that exotic foreign language serials might be a useful category with which to begin and suggests some particular titles for consideration.

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I. THE PROBLEM

The University of California libraries have recently undertaken cutbacks in the dollars spent for serial subscriptions, and obviously further cuts will be necessary. To coordinate serial cutbacks and, as a corollary, to develop serials collections on a cooperative basis among UC and other California libraries is desirable in order to maximize availability for library users while minimizing the dollars spent for serials. The problem, then, is to specify the areas of serial collection development in which immediate and significant cooperation can be initiated. Recognizing that this study would deal with only a small piece of a large problem, the author investigated the feasibility of cooperative collecting of exotic foreign language serial titles among health sciences libraries in California.

This work was done initially as an individual study project in the UCB School of Librarianship as an exercise in Professor Charles Bourne's course on library systems analysis, and subsequently received some additional support from the Institute of Library Research.

II. SCOPE OF THE STUDY

Health sciences libraries were chosen because, with the exception of the libraries in the California State University and College system, the librarians of the libraries represented in this study have already met to discuss ways to cooperate in maintaining serial collections on a regional basis and have agreed to inform one another of planned cancellations. Furthermore, the programs of the National Library of Medicine (NLM) encourage cooperation among these libraries. NLM has been charged by Congress to develop a biomedical communications network; the primary function of that network to date has been to provide document delivery, i.e., interlibrary loans, to health sciences libraries. Through a network of regional medical libraries these libraries do have access within a reasonable period of time to serial titles not in their own collections.

Libraries included in this study were the University of California campuses with designated health sciences collections: UCLA

Biomedical Library, UCSF, UCSD Biomedical Library, UCB (primarily the Biology, Public Health and Optometry Libraries), UCD Health Sciences Library, UCI Medical Sciences Library; the Lane Medical Library of Stanford University; and the Norris Medical Library of the University of Southern California. At the request of the Director of the UC Institute of Library Research, the holdings of the California State University and College system (CSUC) were also included to collect additional data for the planning of intersegmental library cooperation in California.

With the exception of the CSUC libraries, the holdings of these libraries are included (by early January 1974) in SERLINE, an on-line serials data base sponsored by NLM. In the regional network concept which NLM is promoting, the four-state region of California, Nevada, Arizona and Hawaii has been designated Region 11; by far the strongest collections in this region are in the UC system. Although SERLINE was developed to facilitate document delivery, it also has great potential as a tool for implementing and maintaining cooperative collection assignments. Health sciences libraries, then, have the impetus and the means to commit themselves to some cooperative arrangements.

Identification of an area in which it might be possible to make some collection development assignments was necessary. Subject areas, e.g., the neurosciences, veterinary medicine, have been suggested; but in an interdisciplinary and multidisciplinary age, subject areas pose difficulties of definition at two points: 1) defining the subject itself and 2) delineating the journals which support that subject. Neither the subject areas nor the journals can be easily characterized. The author chose instead serial titles in "exotic" foreign languages. "Exotic" here means only that the language is not commonly read and understood by health sciences personnel in the United States. For purposes of the study the following languages were used: Bulgarian, Chinese, Czechoslovakian, Danish, Hungarian, Japanese, Norwegian, Polish, Portuguese, Roumanian, Russian, Serbo-Croatian, Swedish, Turkish and Ukrainian.

Exotic language titles were chosen on the assumption that this category would yield a high percentage of low-use materials and it is, of course, on low-use materials that cooperative programs must focus. To test the assumption, circulation counts were taken on the titles included in the study which are housed on the Berkeley campus. There was also some supporting data from another student's project, Nate Plotkin's "Serials Circulation Study", undertaken for the same course for which this study was done. The results of the two circulation counts are summarized in a later section of this report.

III. METHOD

In order to check for multiple subscriptions among the campuses a first necessary step was to develop a sample list of exotic foreign language titles in the health sciences. The List of Journals Indexed in Index Medicus (for 1971 and 1973), which includes a list of journals by country of origin, provided the sample list of titles for this study. Because the country of origin does not necessarily correspond to the language of publication, titles from the country lists were then checked against Chemical Abstracts Service Access and its successor the Chemical Abstracts Service Source Index to ascertain the language of publication. Print-outs by language provided by the UCLA Biomedical Library were also very helpful in identifying the language of publication, for that library has a very extensive collection of these titles. The language of some titles was checked in the stacks of the Biology Library on the Berkeley campus.

Unfortunately, the author did not have access to the NLM SERLINE data base at the time the study was begun. SERLINE would have provided not only rapid identification of the serial titles by language, but also a more extended list to check. Rather than the 342 titles included in this study, the SERLINE data base would have provided 839 titles. A language distribution of the SERLINE titles and the sample titles used in this study is given in Table 1. Additional exotic language titles listed in SERLINE, e.g., Hindi, Ethiopian, etc., would also augment the potential number of titles to be considered.

TABLE 1

COMPARISON OF NUMBER OF TITLES IN SERLINE WITH NUMBER OF TITLES IN THIS STUDY

LANGUAGE OF PUBLICATION	TITLES IN SERLINE	TITLES IN STUDY
Bulgarian	27	7
Chinese	7	7
Czechoslovakian	52	31
Danish	25	5
Hungarian	26	4
Japanese	195	74
Norwegian	6	2
Polish	65	37
Portuguese	139	38
Romanian	30	18
Russian	172	87
Serbo-Croatian	44	17
Swedish	28	6
Turkish	17	3
Ukrainian	6	6
	839	342

The holdings for the sample titles on each of the campuses were recorded by using the following sources: the most recent editor's print-out of the University of California Union List of Serials (UCULS); the serial lists produced by the UC campuses; print-outs by language of the serial titles in the UCLA Biomedical Library; Stanford University Libraries'Union List of Serials: Science and Technology; the University of Southern California Norris Medical Library's Serials Holding List; and the CSUC Union List of Periodicals. Either the beginning volume number and/or the beginning date of the run on each campus was recorded, so that the extent of the run as well as the currency of the subscription could be noted.

The usual sources of error that result from relying on serials lists rather than on the serial records available in each library were introudced. UCULS, for example, has not yet consolidated all of the holdings for many of the serial titles which have been entered differently on the various campuses. Also, the various serial lists were produced at different times, e.g., the Stanford list in 1971, the Norris list in 1970, and no doubt changes in holdings have occurred which affect the results of this study. One of the first steps in any cooperative plan would have to be a precise statement of the holdings of each campus for the titles under consideration.

Data was also collected regarding each serial title's coverage by the various indexing and abstracting services commonly used in the health sciences. The Pacific Southwest Regional Medical Library Service reports that 72 per cent of the interlibrary loan requests received are for journal articles cited in indexes, and the indexing and abstracting services do have review boards with subject specialists to identify important journals in the field. Evidence of a title's importance does justify maintaining it somewhere in the region so that requests for cited articles can be readily filled, but it would not necessarily justify maintaining multiple subscriptions to low-use material. Also, the titles in this study are quite likely to be over-represented in the indexing and abstracting services because they were selected from one of those services.

The price was recorded whenever it could be located without extensive searching. The 1973 Faxon catalog, Ulrich's fourteenth edition and, occasionally, pricing information recorded in the Serials Payment Division on the Berkeley campus were the sources for the prices. Since Ulrich's prices were, at best, for 1971, 15 per cent was added to the stated price to account for inflation and devaluation. In most cases 15 per cent was probably too low. No doubt, some of the titles are acquired on exchange or as gifts, but since the cost of a subscription is only a fraction of the cost of acquiring and maintaining a serial title, the prices serve primarily to figure an average subscription cost for determining a range of savings that might be achieved through some cooperative arrangements.

IV. FINDINGS

A. LANGUAGE DISTRIBUTION

An indication of the number and distribution of titles in the various exotic languages covered in this study was given earlier in Table 1. The specific serial titles for each language are given in the tables in Appendix A.

B. AVAILABILITY

The availability of the sample titles in each of the library systems covered in this study is noted in the tables in Appendix A. In general, most of the titles were held in only two or three locations. However, eight titles were held by two libraries within the same campus system. A brief summary of the availability information is given below in Table 2.

TABLE 2

EXTENT OF AVAILABILITY OF THE SAMPLE TITLES

	Number	Per cent of Total
Sample titles not currently received by any of the libraries studied	53	15.5
Sample titles currently received by only 1 of the libraries studied	108	31.6
" 2 "	70	20.4
" 3 "	47	13.7
" 4 "	42	12.3
" 5 "	14	4.1
" 6 "	5	1.5
" 7 "	1	0.3
" 8 "	1	0.3
" 9 "	1	0.3
	342	100.0

C. COVERAGE BY ABSTRACTING AND INDEXING SERVICES

Data was collected to show the extent to which the sample titles were covered by several of the major abstracting and indexing services.

Coverage data for each title is included in the Tables in Appendix A. Each title was, of course, covered by Index Medicus, and for this study a search was made in the Excerpta Medica abstracting journals, BIOSIS, Chemical Abstracts, and Science Citation Index. A general indication of the extent of secondary coverage is given in Table 3 below.

TABLE 3

COVERAGE OF SAMPLE TITLES BY SECONDARY SERVICES OTHER THAN INDEX MEDICUS

	Number	Per cent of Total
Titles Covered by No Other Service	101	29.5
Titles Covered by 1 Other Service	173	50.6
Titles Covered by 2 Other Services	44	12.9
Titles Covered by 3 Other Services	15	4.4
Titles Covered by 4 Other Services	9	2.6
	342	100.0

D. UTILIZATION BY LIBRARY PATRONS

Another measure of the relative utility or popularity of serial titles is the extent of use, both recorded and unrecorded, by library patrons. Some information is available from two different sources regarding the recorded utilization of this material. Both of these sources involved the analysis of the recorded circulation history of selected titles on the campus of the University of California, Berkeley, and are described in more detail below.

1. Circulation History of Sample Titles at Berkeley

Circulation counts for the 77 health sciences titles on the sample list that were available on the Berkeley campus are summarized in Table 4.

TABLE 4

CIRCULATION HISTORY OF SAMPLE TITLES HELD BY UCB

	Number	Percent
Titles Which Circulated 3 Times per Year or More	9	11.7
Titles Which Circulated Twice per Year or Less	57	74.0
Titles With no Circulation History	11	14.3
	77	100.0

Detailed data for each of these titles are given in the Tables in Appendix A.

Only one Japanese title could be included in the circulation counts because, with the exception of volumes dated 1971 or later which are housed on the sixth stack level of the Biology Library, the Japanese health sciences serials are in storage at Richmond. None of the 1971 or later volumes had circulated, and the fact that they are in off-site storage indicates that they have already been judged low-use materials by the librarians of the East Asiatic Library.

Because decisions about maintaining or discontinuing a serial title are made for the whole run and not for particular volumes, circulation was counted as the average number of times charged out per year for the entire run held of the title. Also, in practice, libraries attempt to maintain full runs of serial titles from the time the subscription is initiated rather than trying to acquire scattered volumes.

The low-use cut-off figure of two circulations per year was based on the results of a study done by Gordon Williams. Williams attempted to "determine at what frequency of use of a serial title it becomes less expensive for a library to acquire a photocopy of an article from another library when needed than to subscribe to and maintain its own file of the title."[1] He found that "for a serial with an annual subscription price of $20.00, at the midrange library costs...it becomes cheaper to borrow if the frequency of use is less than 5.4 per year." Because frequency of use is hard to determine precisely and because of the convenience of having titles used as frequently as 4 to 6 times a year on the shelves, Williams felt that most libraries would probably use a cut-off for low-use of one or two circulations per year.[2] Even though the average subscription cost of the serial titles included in this study was $14.25 (for titles for which prices could be located), two circulations per year seems a safe figure which will still yield 74.0 per cent of the author's sample as titles to consider for cooperative acquisitions.

2. Plotkin Study of Serial Title Circulation at UCB

The previously mentioned study by Plotkin of a more general sample of UCB serials collected some additional data about the utilization of serial titles in exotic languages. The Plotkin study was not confined to health sciences titles, but included a sample of 186 serial titles from the three volume UCB Serials Keyword Index. None of Plotkin's 186 titles overlapped with the titles examined by this author. Plotkin took the entire run of a title as the basis for his counts and found that 62 titles, or 33.3 per cent of the 186, had no recorded circulation for the entire run of the title holdings. After looking over the list

of titles that had no circulation history, this author adjusted the figure to 57 titles, or 30.6 per cent; but at any rate, nearly one-third of the serial titles examined by Plotkin had no record of having been borrowed from the library.

Of the 57 Plotkin titles with no circulation history 26, or 14.0 per cent of the entire sample of 136 and 45.6 per cent of the no-circulation titles, fell into the exotic foreign language category. See Table 5 for a breakdown, by language, of these titles. For the record, a list of the titles from the Plotkin study that had not circulated is provided in Appendix B with their call numbers and the library in which the serial is housed.

TABLE 5

SERIALS WITH NO CIRCULATION HISTORY *

	Number	Percent of Total Titles	Percent of Titles With No Circulation History
Total Serials in Plotkin Study	186	100.0	-
Total Serials with No Circulation History	62	33.3	-
Adjusted Total Serials With No Circulation History**	57	30.6	
Danish	2		3.5
Hungarian	1		1.8
Norwegian	1		1.8
Polish	5		8.8
Russian	7		12.3
Serbo-Croatian	8		14.0
Swedish	2		3.5
Total Exotic Foreign Language Serials	26	14.0	45.6
Other Foreign Language Serials	14		24.6
English Language Serials	17		29.8

* from Nate Plotkin's unpublished "Serials Circulation Study" done on the campus of the University of California, Berkeley, December, 1973.

** The Plotkin study indicated that 62 out of 186 serials had no circulation history. However, when the author checked the call numbers of the 62 serials against the Official Shelf List in the UCB Catalog Dept., 2 of these serials were found to be Reference works which would, of course, have no circulation history and 3 could not be identified. These 5 titles were eliminated from the total no. of serials with no circulation history and the adjusted total of 57 used to calculate the percentages given above.

E. Costs

In order to give a feeling for the amount of money involved, an estimate was made of the savings that might be realized if these materials were to be shared. The Williams study surveyed four research libraries and estimated the yearly cost of maintaining a purchased serial, excluding storage and circulation costs, but including overhead charges. The lowest cost per title per year was found to be $28.69, and the highest $46.20.[3] Adjusted for the average subscription price of the serials in this study (and rounded off for easier calculation) the range was $30.00 to $38.00, and these are the figures used to calculate the estimated savings to the libraries if only one subscription to each currently received title is maintained among the libraries involved in this study. Table 6 summarizes the savings that might be realized.

Sources of error in the cost estimates are obvious. The costs of borrowing and lending shared materials have not been included. The cost figures are from a 1968 study; surely, costs are higher now. Some serials are probably received as gifts or exchanges and the subscription price should not be included in estimating their cost. In some cases it would not be desirable to maintain only one subscription. But, recognizing that the costs are gross estimates, clearly, over a period of years there would be marked savings for titles in the low-use range of 0-2 circulations per year. Better cost studies would be needed to make decisions about those titles used more frequently.

F. Campus Language Strengths

The breakdown in Table 7 was done to determine whether or not a particular campus had developed demonstrable serial collection strength in any of the languages. If so, it might be possible to designate language responsibilities by campus, both for currently received titles and for future acquisitions. Although campus responsibilities for particular languages might be better assigned on the basis of campus holdings for all the exotic language titles included in the SERLINE data base, at this point, the UCLA Biomedical Library seems to have the strongest collection in Russian-Ukrainian titles; this is a strength which reflects that library's longstanding, active exchange program with several institutes in the USSR. Also the UCSD Biomedical Library seems to have gone in for East European languages, i.e., Polish, Hungarian, Serbo-Croatian, and Czechoslovakian, more than other campuses in the study. UCLA Biomedical Library seems to have the strongest collection in the oriental languages. However, UCSF has established an Oriental Medicine Division; the professional librarian in charge of the collection reads both Japanese and Chinese. In cases like this, a strength in staff as well as numbers of titles held might be worth consideration.

Table 6: Multiple Holdings of Selected Health Science Serials in Exotic Foreign Languages and Maximum Cost Savings Estimated to be Achieved by Reducing Subscriptions to Single Copies within the System Represented by the Libraries in this Study.

No. of Titles	Bulgarian	Chinese	Czechoslovakian	Danish	Hungarian	Japanese	Norwegian	Polish	Portuguese	Roumanian	Russian	Serbo-Croatian	Swedish	Turkish	Ukrainian	Totals
In Study	7	7	31	5	4	74	2	37	38	18	87	17	6	3	6	342
Currently Held by 9 Campuses	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
Currently Held by 8 Campuses	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
Currently Held by 7 Campuses	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1
Currently Held by 6 Campuses	0	0	1	0	0	0	0	1	1	0	2	0	0	0	0	5
Currently Held by 5 Campuses	0	0	0	1	0	2	0	1	0	0	9	0	1	0	0	14
Currently Held by 4 Campuses	0	0	5	0	0	5	0	7	1	3	20	0	0	0	1	42
Currently Held by 3 Campuses	2	0	1	1	1	6	0	3	8	2	20	1	0	0	2	47
Currently Held by 2 Campuses	0	1	10	0	0	18	0	9	7	3	1	3	3	0	0	70
Currently Held by 1 Campus	4	4	9	3	2	19	2	11	18	9	14	6	2	2	3	108
Not Currently Held	1	2	5	0	1	24	0	5	2	1	5	6	0	1	0	53
Potential Cancellations	4	1	32	6	2	53	0	45	37	16	170	12	7	0	7	390
Range of Potential Savings Per Year Obtained by Maintaining Only 1 Subscription (in $)	120 to 152	30 to 38	960 to 1216	180 to 228	60 to 76	1590 to 2014	0	1350 to 1710	1110 to 1406	480 to 608	5100 to 6460	360 to 456	210 to 266	0	210 to 266	11760 to 14896

Note: This Table does not include titles held by CSUC libraries.

Table 7: No. of Titles Held/No. of Unique Titles Held

Language	UCSF	UCB	UCD	UCI	UCLA	UCSD	Stanford	USC	No. of Titles in Study	Titles Not Held
Bulgarian	2/1	2/0	0	0	3/1	3/1	0	0	7	1
Chinese	1/1	0	0	0	3/2	2/2	0	0	7	2
Czechoslovakian	6/1	3/0	9/1	0	15/2	20/5	6/0	1/0	31	5
Danish	3/1	0	3/1	0	2/0	2/1	1/0	0	5	0
Hungarian	1/0	0	0	0	2/1	2/1	0	0	4	1
Japanese	20/2	10/0	4/0	3/0	32/9	26/8	6/0	1/0	74	24
Norwegian	0	0	0	0	2/2	0	0	0	2	0
Polish	6/0	6/0	7/1	1/0	20/4	27/6	3/0	6/0	37	5
Portuguese	10/2	11/0	5/0	3/0	20/6	18/8	6/1	0	38	2
Roumanian	4/0	5/1	2/1	0	10/2	11/5	1/0	0	18	1
Russian	34/0	43/4	32/0	7/0	71/6	56/4	5/0	0	87	5
Serbo-Croatian	3/1	3/0	1/0	1/0	4/1	8/3	2/1	1/0	17	6
Swedish	4/1	0	1/0	0	5/1	2/0	1/0	0	6	0
Turkish	0	0	0	0	1/1	0	1/1	0	3	1
Ukrainian	0	3/0	1/0	0	5/2	3/1	0	0	6	0
Totals	104/10	87/5	65/4	15/0	195/40	170/45	32/3	9/0	342	53

V. DISCUSSION

Librarians have become increasingly aware that a relatively small number of journals contribute most of the significant literature in any subject field. The Institute for Scientific Information, for example, has demonstrated that a relatively small core of journals carry the majority of items cited.[4] In the health sciences, two surveys done at the National Library of Medicine indicate that a small number of titles account for a large part of the demand made upon that collection. In an analysis of all the interlibrary loan requests received at NLM during the calendar year 1959, Kurth found that 57.2 per cent of the serial titles was requested five times or less, and this percentage figure does not include titles that were not requested at all. In 1968 Schilling investigated a 20 per cent sample of the interlibrary loan requests and discovered that 70.7 per cent of the serial titles was requested five times or less. Again, this percentage does not include those titles which were not requested at all.[5]

Large research libraries like those represented in this study should at least have on hand the most used core of serial titles. Under the stress of shrinking budgets, rising costs, and overburdened shelves, their problem is to identify low-use segments of the collection and to substitute service for direct access to those materials. However, in the interests of providing good service even on low-use materials, a library must know where that material is available and that it can be borrowed within a reasonable period of time. Exotic foreign language serials in the health sciences libraries of Region 11 might fulfill these requirements for a viable cooperative venture.

Because there is some evidence that exotic language titles in the health sciences are, indeed, low-use materials, worth mention is that they recommend themselves in several other ways to librarians attempting to develop cooperative arrangements. Unlike subject categories which are difficult to delineate, the language of publication is easily specified, particularly with the advent of SERLINE, which has language of publication as part of the data included with each serial title. In cases where a serial is published in more than one language, a simple decision-rule (e.g., 50 per cent exotic) can define a title to be considered.

Again, just because of the language in which they are published, most American library users do not browse through journals in these languages; instead, they discover articles of interest through citations in other articles or through a secondary indexing or abstracting service. The library's job, then, is to borrow the article from another library and to place it in the user's hands within a reasonable period of time. True, borrowing from another library does delay access time for the user, but "there are significant delays in access time to what is owned by the

library as well as to what it must borrow, and if user cost is to be minimized it is the average access time to all the publications he needs that must be minimized, not merely to those which must be borrowed, or photocopied, on interlibrary loan." [6] It may be that increasing the number of copies of high-use materials would increase more significantly the access time to all the publications a user needs than trying to maintain as many unique titles as possible on any one campus. Since most UC libraries are cutting back on serials by eliminating duplicate subscriptions while attempting to protect unique titles, considerations of a user's access time to all the publications one needs might alter current "deserialization" policies. Perhaps better service would result if the "system," in this case the major health sciences libraries in Region 11, protected unique titles rather than trying to protect unique titles on a campus-by-campus basis.

Although subscribing to the titles represented in this study is not particularly costly (average cost of the titles for which prices could be found was $ 14.25), processing does pose special problems because of the inability of most of the libraries' staffs to read the languages. Difficulties in claiming are multiplied by problems of language and distance. And, certainly, inflation at home and abroad, as well as dollar devaluations, have recently caused marked increases in foreign subscription costs.

In summary, a system-wide review of serial title holdings in exotic languages would suggest ways in which to achieve some coordination in library collection development and to reduce some library costs. Data was collected and assembled in this report to assist the librarians in this system to cooperatively make some useful acquisition decisions on a title-by-title basis.

REFERENCES

1. Gordon Williams, et al, Library Cost Models: Owning Versus Borrowing Serial Publications (Chicago: Center for Research Libraries, 1968) p. iv.

2. Ibid., p. 10. The author's circulation counts did not include any measure of non-recorded use (although the accumulation of dust on most of the volumes might have been a measure of sorts). Non-recorded use is difficult to measure, but Fussler and Simon found that non-recorded use would not alter the results of the circulation counts of recorded use. See Chapter 7 in Herman H. Fussler and J.L. Simon, Patterns in the Use of Books in Large Research Libraries (Chicago: University of Chicago Press, 1969 [c.1961].

3. Ibid., p. 15. Cost estimates were based on the costs of the subscription, checking-in, claiming, binding (labor and materials), marking, administration, training and "other"labor costs.

4. See, for example, Eugene Garfield, "Citation analysis as a tool in evaluation," Science, 178: 471-479, 1972.

5. The Kurth and Schilling studies are reported in Williams, pp. 51-53.

6. Williams, p.3.

APPENDICES

EXPLANATORY NOTES

Note 1. Symbols used in the INDEXED/ABSTRACTED column:

BA -- The serial title is one of the "Core Serial Publications Processed by BIOSIS 1969-1971." A "core" serial is defined as a serial publication which yielded 30 or more citations during each of the 3 years.

CA -- The serial title is included in the "List of 1,000 Primary Journals Most Frequently Cited in Chemical Abstracts Vol. 77-78 (July, 1972-June, 1973)", published in Chemical Abstracts Services Sources Index Quarterly, 1973, No. 4, pp. 17A-23A. The number following, e.g., CA-843, indicates the serial's rank in the 1,000.

EM -- The serial title is one of those regularly scanned by the editorial staff of Excerpta Medica for articles to include in one of its abstracting services.

SCI -- The serial title is one of the approximately 2,400 source journals for Science Citation Index.

Note 2. Except when indicated by one of the abbreviations listed below the libraries of the University of California whose serial holdings are listed are:

UCSF --	Medical Center Library (campus library)
UCB --	Biology Library
UCD --	Health Sciences Library
UCI --	Medical Sciences Library
UCLA --	Biomedical Library
UCSD --	Biomedical Library

Abbreviations for other locations:

UCB --	OPTO	Optometry Library
	PH	Public Health Library
	MAIN	Main Library
UCD --	MAIN	Main Library
UCLA --	URL	University Research Library
	CHEM	Chemistry Library
UCSD --	CUL	Central University Library
	S&E	Science and Engineering Library
	SIO	Scripps Institute of Oceanography Library
	SUH	Society - University Hospital Library

Note 3. Stanford University holdings are for the Lane Medical Library unless annotated "SB" which indicates that the title is housed in the Systematic Biology Library.

Note 4. Abbreviations used to identify CSUC libraries

CLOBS	California State University, Long Beach
CARCHT	California State University, Humboldt, Arcata
CSDS	California State University, San Diego
CSJS	California State University, San Jose

* Indicates that the title was listed without location or holdings

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Status of Selected Serial Holdings

Serial Title	Indexed or Abstracted By These Services	Extent of Holdings									Total Number of Current Subscriptions	Annual Subscription Fee $	Average No. of UCB Circulations/Year For Their Holdings of This Title
		UCSF	UCB	UCD	UCI	UCLA	UCSD	Lane Stanford	Norris USC	CSUC Libraries			
BULGARIAN													
Akusherstvo i Ginekologiia (Sofia)	EM	26-									1		
Bulgarska Akademiia na Naukite, Sofia. Institut po Fiziologiia. Izvestiia.	EM		1-			5-	7-				3		0
Bulgarska Akademiia na Naukite, Sofia. Mikrobiologicheski Institut. Izvestiia.	EM		1-			1-	16-				3		0.2
Eksperimentalna Meditsina i Morfologiia (Sofia)	EM					3-					1		
Folia Medica (Plovdiv)	EM	1-									1		
Khirurgiia (Sofia)	EM						17-				1		
Vutreshni Bolesti											0		
CHINESE													
Chung-hua i Hsueh Tsa Chih Chinese Medical Journal (Peking)						1-1973-					1		
Sheng Li Hsueh Pao (Hsin Li Hsueh Pao) Acta Physiologica Sinica (Peking)		19-22				25-28			1-19 1927-63		0		
Shih Yen Sheng Wu Hsueh Pao Acta Biologiae Experimentalis Sinica (Shanghai)						9-10	SIO 7-						
Yao Hsueh Hsueh Pao Acta Pharmaceutica Sinica (Peking)		3-8 1955-60									0		
Chung-hua i Hsueh Tsa Chih Chinese Medical Journal (Taipei)						11-1964-					1		
Hsiao Erh K'o I Hsueh Hui Tsa Chih Acta Paediatrica Sinica (Taipei)							1-				1		
T'ai-wan I Hsueh Hui (Formosan Medical Association. Journal)		32-				45-30-41					2		

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		UCSF	UCB	UCD	UCI	UCLA	UCSD	Lane Stanford	Norris USC	CSUC Libraries			
CZECHOSLOVAKIAN													
Acta Chirurgiae Orthopaedicae et Traumatologiae Cechoslovaca	EM			36-			31-				2	11.80	
Acta Chirurgiae Plasticae	EM	1-		1-		5-	1-	1-			4	14.05	
Acta Universitatis Carolinae. Medica	EM SCI	1-		13-		1-					3	30.00	
Activitas Nervosa Superior	BA CA-821 EM SCI			1-		3-	6-	10-			4	16.70	
Biologia (Bratislava)	BA		4-	23-		19-	19-				4	7.70	2.0
Bratislavske Lekarske Listy	EM CA-776	1-				1-37					1	25.00	
Casopis Lekaru Ceskych	EM	88-91 1949-52				102-	102-				2	22.10	
Ceskoslovenska Dermatologie	EM	1-					39-				2	8.90	
Ceskoslovenska Epidemiologie, Mikrobiologie, Imunologie	EM		BIOC 7-	12-		5-	13-				4	8.90	non-circ material
Ceskoslovenska Farmacie	CA-878			12-				14-			2	16.00	
Ceskoslovenska Fysiologie	BA EM	1-					13-				2	13.30	
Ceskoslovenska Gastroenterologie a Vyziva	EM					18-	18-				2	13.60	
Ceskoslovenska Gynekologie	EM	12-17 1947-52					29-				1	16.00	
Ceskoslovenska Neurologie a Neurochirurgie	EM					36- 20-35	27-				1	8.90	

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		UCSF	UCB	UCD	UCI	UCLA	UCSD	Lane Stanford	Norris USC	CSUC Libraries			
Ceskoslovenska Oftalmologie	EM		OPTO 26-			20-	21-	6-			4	8.90	0
Ceskoslovenska Otolaryngologie	EM					11-	13-				2	8.90	
Ceskoslovenska Patologie	EM										0	7.10	
Ceskoslovenska Pediatrie						20-	19-				2	8.90	
Ceskoslovenska Psychiatrie	EM					60-	60-				2	8.90	
Ceskoslovenska Radiologie	EM						18-				1	8.90	
Ceskoslovenska Stomatologie	EM					61-					1	9.50	
Ceskoslovenske Zdravotnictvi	EM										0		
Cor et Vasa	EM	2-		1-		2-	1-	1-	12- 1970-		6	14.05	
Fysiatricky a Reumatologicky Vestnik	EM										0		
Lekarske Prace						2-					1		
Rozhledy v Chirurgii	EM						43-				1	20.10	
Sbornik Lekarsky	SCI EM						66- 1964-	68- 1966-			2		
Veterinarni Medicina	BA			1960-							1		
Vnitrni Lekarstvi	EM						9-				1	24.90	
Vojenskozdravotnicka Knihovna											0		
Zdravotnicke Aktuality											0		
DANISH													
Dansk Tidsskrift for Farmaci	EM	24-									1	19.35	
Nordisk Psykiatrisk Tidsskrift	EM						18-				1	12.10	

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		UCSF	UCB	UCD	UCI	UCLA	UCSD	Lane Stanford	Norris USC	CSUC Libraries			
Nordisk Veterinaermedicin	BA EM SCI			1-							1	15.95	
Tandlaegebladet	EM	18-		71-		1-					3	10.50	
Ugeskrift for Laeger	BA EM	127-		129-		81-	70-	19-			5	37.10	
HUNGARIAN													
Fogorvosi Szemle	EM	40-42 1947-49				55-					1	6.00	
Magyar Traumatologia, Ortopaedia es Helyreallito Sebeszet	EM						7-				1		
Morphologiai es Igazsagugyi Orvosi Szemle	EM										0		
Orvosi Hetilap	EM	108-				108-	104-				3	14.00	
JAPANESE													
Arerugi Japanese Journal of Allergy		9-				14-19	15-				2	16.00	
Eisei Shikenjo Hokoku Japan. National Institute of Hygienic Sciences. Bulletin											0		
Gan no Rinsho Japanese Journal of Cancer Clinics							11-				1	18.00	
Ganka Ophthalomology						7-					1		
Geka Chiryo Surgical Therapy											0		
Hifuka Kiyo Acta Dermatologica	EM	1-36 1923-40				60-					1	9.00	
Hinyokika Kiyo Acta Urologica Japonica	EM					3-	11-				2	16.00	

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		UCSF	UCB	UCD	UCI	UCLA	UCSD	Lane Stanford	Norris USC	CSUC Libraries			
Horumon to Rinsho Clinical Endocrinology	CA-572										0		
Igaku to Seibutsugaku (Medicine and Biology)	CA-598		EAL 1-				72-				2	13.00	
Iryo Medical Treatment	EM	5-						1- 1947-			2		
Iyodenshi to Seitai Kogaku Japanese Journal of Medical Electronics and Biological Engineering	EM			4-	2-	2-					3	12.00	
Jibiinokoka Otolarnyngology						37-					1		
Jinrui Idengaku Zasshi Japanese Journal of Human Genetics	SCI	1-	EAL 1-			1-	1-		12- 1967-	CLOBS 9- 1964-	5	16.00	
Journal of Otolaryngology of Japan (formerly Journal of the Otorhinolaryngological Society of Japan)	EM					71- 1968-		71- 1968-			2		
Kaibogaku Zasshi Acta Anatomica Nipponica	BA EM					13-	39-				2	14.50	
Kaku Igaku Japanese Journal of Nuclear Medicine	EM					1-					1		
Kansenshogaku Zasshi Japanese Association for Infectious Diseases. Journal	EM						39-				1	19.50	
Keisei Geka Janpanese Journal of Plastic and Reconstructive Surgery	EM										0		
Kekkaku Tuberculosis	EM	1-					39-				2	14.50	
Kokubyo Gakkai Zasshi Japan Stomatological Society. Journal		1-				19-					2	7.50	
Kokyu to Junkan Respiration and Circulation											0	23.00	

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		UCSF	UCB	UCD	UCI	UCLA	UCSD	Lane Stanford	Norris USC	CSUC Libraries			
Kumamoto Igakkai Zasshi Kumamoto Medical Society. Journal							39-				1		
Kyobu Geka Japanese Journal of Thoracic Surgery				1-		18-	17-	1-			4	15.00	
Masui Japanese Journal of Anesthesiology	EM			1-			15-				2		
Medical Journal of Kobe University formerly Bulletin of Kobe Medical College											0		
Nippon Byori Gakkai Kaishi Societatis Pathologicae Japponicae. Transactiones	EM	1-54 1910-1965				1-		4-			2	7.00	
Nippon Daicho Komonbyo Gakkai Zasshi Japan Society of Colo-proctology. Journal	EM										0		
Nippon Eiseigaku Zasshi Japanese Journal of Hygiene							19-				1		
Nippon Gan Chiryo Gakkaishi Japan Society for Cancer Therapy. Journal	BA						1-				1		
Nippon Ganka Gakkai Zasshi Acta Societatis Ophthalomologicae Japonica	EM	1-				64-		23-			3	18.00	
Nippon Geka Hokan Archiv fuer Japanische Chirurgie	EM						33-				1	10.00	
Nippon Heikatsukin Gakkai Zasshi Japanese Journal of Smooth Muscle Research											0		
Nippon Hinyokika Gakkai Zasshi Japanese Journal of Urology	EM					43-62					0	17.50	
Nippon Igaku Hoshasen Gakkai Zasshi Nippon Acta Radiologica	EM					11-	26-				2		

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		UCSF	UCB	UCD	UCI	UCLA	UCSD	Lane Stanford	Norris USC	CSUC Libraries			
Nippon Ika Daigaku Zasshi											0		
Nippon Ishikai Zasshi Japan Medical Association. Journal	EM						51-				1		
Nippon Jinzo Gakkaishi Japanese Journal of Nephrology						10-					1		
Nippon Ketsueki Gakkai Zasshi Acta Haematologica Japonica	EM	6-				9-	1-				3	19.00	
Nippon Kyobu Geka Gakkai Zasshi Japanese Association for Thoracic Surgery. Journal							1-				1		
Nippon Kyobu Shikkan Gakkai Zasshi Japanese Journal of Thoracic Diseases											0		
Nippon Naika Gakkai Zasshi Japanese Society of Internal Medicine. Journal	EM	1-					52-				2	23.50	
Nippon Kyosei Shikagakkai Zasshi Japan Orthodontic Society. Journal		1-				21-					2	18.00	
Nippon Naibumpi Gakkai Zasshi Folia Endocrinologica Japonica	EM		EAL 1-		42-	1-	40-				4	18.00	
Nippon Rinsho Japanese Journal of Clinical Medicine											0		
Nippon Ronen Igakkai Zasshi Japanese Journal of Geriatrics											0		
Nippon Saikingaku Zasshi Japanese Journal of Bacteriology	EM		EAL 10-			1-	19-				3	25.00	
Nippon Seikeigeka Gakkai Zasshi Japanese Orthopaedic Association. Journal	EM	1-					38-				2	21.00	
Nippon Seirigaku Zasshi (Nippon Seirigakkai) Physiological Society of Japan. Journal	EM	21-									1	13.00	

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		UCSF	UCB	UCD	UCI	UCLA	UCSD	Lane Stanford	Norris USC	CSUC Libraries			
Nippon Shika Ishikai Zasshi Japan Dental Association. Journal		10-				14-24					1	8.00	
Nippon Soshikigaku Kiroku Archivum Histologicum Japonicum	EM	1-	1-	1-		1-					4	16.40	1.4
Nippon Yakurigaku Zasshi Folia Pharmacologica Japonica	EM	1-				1-					2	14.50	
No to Shinkei Brain and Nerve	EM					1-	1-				2	23.50	
Repura Lepro	EM					1-					1		
Rinsho Byori Japanese Journal of Clinical Pathology	CA-819										0	15.00	
Rinsho Hoshasen											0		
Rinsho Ketsueki Japanese Journal of Clinical Hematology											0	9.00	
Rinsho Shinkeigaku Clinical Neurology	BA EM										0		
Ronenbyo											0		
Ryumachi Japan Rheumatism Association. Journal											0		
Saishin Igaku											0		
Sanfujinka no Jissai Journal of Gynecological Practice											0		
Seikagaku Japanese Biochemical Society. Journal	SCI	1-	EAL 1-			40-	S&E 22-				5	20.00	
Seikei Geka Orthopedic Surgery						16-					1	22.75	
Seishin Igaku Kenkyusho Gyoseki Shu											0		

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		UCSF	UCB	UCD	UCI	UCLA	UCSD	Lane Stanford	Norris USC	CSUC Libraries			
Seishin Shinkeigaku Zasshi Psychiatria et Neurologia Japonica	EM	61-	EAL 1- 1902-			69-					3	26.50	
Shika Gakuho (Shikwa Gakuho)		11-				63-					2	14.00	
Shinkei Kenkyu no Shimpo Advances in Neurological Sciences						1-					1	20.00	
Shinrigaku Kenkyu Japanese Journal of Psychology						36-		34- 1963-		CARCHT 1,1926- CSDS 1,1926- CSJS 37,1966-	2	10.50	
Shututsu Operation											0		
Tampakushitsu, Kakusan, Koso Protein, Nucleic Acid, Enzyme	CA-706	61-	EAL 1-				1-				3	12.00	
Tokyo Ika Daigaku Zasshi Tokyo Medical College. Journal						25-					1		
Uirusu Virus		1-	EAL 1-			8-	14-				4	14.50	
Yakugaku Zasshi (Nihon Yakugakukai) Pharmaceutical Society of Japan. Journal	BA CA-145 SCI	1903-	EAL 65-		85-	28-					4	40.00	
NORWEGIAN													
Norsk Laegeforening. Tidsskrift	BA EM					82-					1		
Norske Tannlaegeforenings Tidende	EM	24-64 1915-54				30-					1	19.00	
POLISH													
Acta Biologica et Medica		1-	8-			1-	1-				4	12.00	0.1

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		UCSF	UCB	UCD	UCI	UCLA	UCSD	Lane Stanford	Norris USC	CSUC Libraries			
Annales Universitatis Mariae Curie-Sklodowskiej; Sectio D: Medicina	EM					1-					1		
Archiwum Historii Medycyny						27-					1		
Chirurgia Narzadow Ruchu i Ortopedia Polska	EM						28-				1	12.00	
Czasopismo Stomatologiczne	EM	4-5 1951-52				9-					1	24.00	
Endokrynologia Polska	EM					10-	15-	12- 1961-	13- 1962-		4	12.00	
Folia Biologica	EM		1-		16-	1-	1-	1-	8- 1963-		6	10.00	1.8
Folia Medica Cracoviensia	EM					11-	5-				2	14.00	
Ginekologia Polska	EM						35-				1		
Gruzlica i Choroby Pluc	EM										0		
Kardiologia Polska	EM			1-			7-	1-			3	8.00	
Klinika Oczna	EM		OPTO 40-			35-	34-				3	14.00	0
Lodzkie Towarzystwo Naukove: Sectio IV											0		
Medycyna Doswiadczalna i Mikrobiologia	EM					1-	16-		15- 1963-		3	10.00	
Neuropatologia Polska	EM					1-	5-				2	10.00	
Nowotwory	EM			1-							1	8.00	
Otolaryngologia Polska	EM					10-	18-				2	12.00	
Patologia Polska						14-					1		
Pediatria Polska	EM					40-	39-				2	21.60	

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		UCSF	UCB	UCD	UCI	UCLA	UCSD	Lane Stanford	Norris USC	CSUC Libraries			
Polska Akademia Nauk. Wydzial VI. Nauk Medycznych. Rozprawy						5-	8-				2		
Polska Przeglad Chirurgiczny	EM						36-				1	21.60	
Polski Przeglad Radiologii i Medycyny Nuklearnej	EM						28-		27-1963-		2	16.00	
Polski Tygodnik Lekarski	BA EM	16-		22-		17-	18-		1-		5	41.60	
Polskie Archiwum Medycyny Wewnetrznej	BA EM					34-	34-				2	12.00	
Pomorska Akademia Medyczna Imienia Generala Karola Swierczewskiego, Szczecin. Rocznik	EM	1-					11-				2		
Postepy Biochemii	SCI		1-	13-		10-	10-				4	6.00	1.0
Postepy Higieny i Medycyny Doświadczalnej	EM	15-	8-			1-	18-				4	10.00	0.05
Poznanskie Towarzystwo Przyjaciol Nauk: Wydzial Lekarski: Prace Komisji Medycyny Doswiadczainj. D: Lekarskiej.	EM										0		
Przeglad Dermatologiczny	EM						51-				1		
Przeglad Epidemiologiczny	EM						18-		17-1963-		2		
Przeglad Lekarski	EM										0		
Psychiatria Polska	EM	1-		1-		1-	1-				4	12.00	
Reumatologia	EM						3-				1	14.00	
Warsaw. Panstowy Zaklad Higieny, Roczniki	EM CA-799						-				0		
Wiadomosci Lekarskie	EM						17-				1	28.80	
Wiadomosci Parazytologiczne	EM		1-	15-		3-	10-				4	6.00	0.8

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		UCSF	UCB	UCD	UCI	UCLA	UCSD	Lane Stanford	Norris USC	CSUC Libraries			
PORTUGUESE													
BRAZIL													
Academia Brasileira de Ciencias, Rio de Janeiro. Anais	SCI		MAIN 1-			URL 1-	SIO 1966-				3	16.00	2.8
Anais Brasileiros de Dermatologia						16-40	39-				1		
Anais de Microbiologia			1-			2-					2		0.7
Arquivos Brasileiros de Cardiologia	BA EM					5-25	18-	1-			2	15.00	
Arquivos Brasileiros de Endocrinologia e Metabologia						1-	14-	1-			3	8.00	
Arquivos Brasileiros de Medicina		42-47 1952-57				42-					1		
Arquivos Brasileiros de Oftalmologia	EM	2-22 1940-59	OPTO 33- 1970-			21-34		1-			2	12.00	0
Arquivos de Cirurgia Clinica e Experimental		2-29 1938-66				28-					1		
Arquivos de Higiene e Saude Publica (Sao Paulo)	EM		PH 1939-			1936-54, 58-60, 62-63					1		1961-0.2 1939-1960 ICLF(N)
Arquivos de Neuro-Psiquiatria	EM	1943-				1945-	1963-				3	8.00	
Associacao Medica Brasileira. Revista	EM					15-17	11-				1		
Hospital (Rio de Janeiro)	EM	7-44				5-79					0		
Instituto Butantan, Sao Paulo, Brazil. Memorias		1-	1-			1-		SB 1- 1915-			4		0.6

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		UCSF	UCB	UCD	UCI	UCLA	UCSD	Lane Stanford	Norris USC	CSUC Libraries			
Instituto de Antibioticos, Recife, Brazil. Revista			1-1958-			4-					2		0
Instituto Oswaldo Cruz, Rio de Janeiro. Memorias	SCI	1-	1-	20-	63-	1-	1-	37- SB 1942-			7	27.00	4.5
Instituto de Puericultura e Pediatria, Rio de Janeiro. Boletim	EM	14-17 1957-60				on order					1		
Jornal Brasileiro de Doencas Toracicas (formerly Brasileira de Tuberculose e Doencas Toracicas)		1-28				1-4 18-30	1-				1		
Maternidade e Infancia	EM						12-				1		
Resenha Clinico-Cientifica	EM						33-				1		
Revista Brasileira de Anestesiologia	EM						14-				1	8.00	
Revista Brasileira de Biologia	BA		1- (2 cop.)	1-	26-	1-	24-				6	10.00	3.7
Revista Brasileira de Gastroenterologia							16-				1		
Revista Brasileira de Leprologia		1-16 1934-48				1-37	33-37				0		
Revista Brasileira de Malariologia e Doencas Tropicais	EM			1-13, 19-		2-	15-				3	free	
Revista Brasileira de Medicina	EM	2-8 1945-51				1-					1	25.00	
Revista Brasileira de Odontologia		1-26 1944-67				27-					1		
Revista Brasileira de Oftalmologia	EM					15-	22-				2	15.00	
Revista Brasileira de Pesquisas Medicas e Biologicas	EM					1-5		1- 1968-			1		

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		UCSF	UCB	UCD	UCI	UCLA	UCSD	Lane Stanford	Norris USC	CSUC Libraries			
Revista de Saude Publica			PH 1-			1-	17-				3		0.8
Sao Paulo, Brazil (City) Instituto Biologica. Arquivos		1-		1-							2	7.00	
Sao Paulo, Brazil (City) Universidade. Faculdade de Ciencias Farmaceuticas. Revista de Farmacia e Bioquimica	EM	1-									1		
Sao Paulo, Brazil (City) Universidade. Faculdade de Medicina. Hospital das Clinicas. Revista	EM	1-8				17-					1		
Sao Paulo, Brazil (City) Universidade. Instituto de Medicina Tropical. Revista	BA EM	1-	PH 1-		1-						3	13.00	1.4
Jornal Brasileiro de Ginecologia (Formerly Anais Brasileiros de Ginecologia)		1-				3-72					1		
PORTUGAL													
Arquivo de Patologia (Lisbon)	EM	2-				35-	35-				3		
Escola Nacional de Saude Publica e de Medicina Tropical, Lisboa. Anais. (Formerly Instituto de Medicina Tropical, Lisboa. Anais)		1- 1-23	PH 1- 8-23			1- 1-23					3		0
Revista Portuguesa de Estomatologia e Cirurgia Maxilofaciale		1-				3-					2	5.00	
Revista Portuguesa de Pediatria e Puericultura	EM						28-				1	10.55	
ROMANIAN													
Chirurgia	EM						13-				1		

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Status of Selected Serial Holdings

Serial Title	Indexed or Abstracted By These Services	Extent of Holdings									Total Number of Current Subscriptions	Annual Subscription Fee $	Average No. of UCB Circulations/Year For Their Holdings of This Title
		UCSF	UCB	UCD	UCI	UCLA	UCSD	Lane Stanford	Norris USC	CSUC Libraries			
Fiziologia Normala si Patologica	EM		13-			8-	8-				3	20.00	
Ftziologia	EM										0		
Jassy, Societe des Medicins et des Naturalistes. Revista Medico-chirurgicala	EM						1964-				1		
Medicina Interna	EM						16-				1		
Microbiologia, Parazitologia, Epidemiologia	EM			4-							1		
Neurologia, Psihiatria, Neurochirurgia	EM					11-	9-				2	20.00	
Oncologia si Radiologia	EM					3-					1		
Oto-rino-laringologie	EM						1965-				1		
Pediatria	EM						13-				1		
Santa Publique; Revue Internationale			PH 1970-								1		0
Stomatologia	EM					7-					1	8.00	
Studii si Cercetari de Embriologie si Citologie				4-		4-					2	6.00	
Studii si Cercetari de Endocrinologie	EM	16-	1-			4-	15-				4	5.00	0.7
Studii si Cercetari de Fiziologie	EM CA-868	1-	1-			1-					3	6.00	0.1
Studii si Cercetari de Medicina Interna						5-	5-				2	12.00	
Studii si Cercetari de Neurologie	EM	1-				1-	9-	1- 1956-			4	20.00	
Studii si Cercetari de Virusologie	EM	13-	1-			5-	15-				4	20.00	0.05

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		UCSF	UCB	UCD	UCI	UCLA	UCSD	Lane Stanford	Norris USC	CSUC Libraries			
RUSSIAN													
Akademiia Meditsinskikh Nauk SSSR, Moscow. Vestnik	BA	1946-	1946-			1946-	1964				4	17.40	0.4
Akademiia Meditsinskikh Nauk SSSR, Moscow. Institut Normal'noi i Patologicheskoi Fiziologii. Trudy						10-					1		
Akademiia Nauk SSSR, Moscow. Institut Genetiki.. Trudy			1- 1922-			1948-	1964-				3		0.8
Akademiia Nauk SSSR, Moscow. Izvestiia. Seriia Biologicheskaia	BA CA-627 EM SCI		1936-			1936-	SIO 1950- 1962-				4	24.40	2.5
Akusherstvo i Ginekologiia	BA EM	1950-				1949-	1970-				3	10.00	
Antibiotiki	BA CA-212 EM SCI	1956- 1959- (Eng)	1, 1956-	1959- (Eng)		1957-	1964-				4	14.40	1.3
Arkhiv Anatomii, Gistologii i Embriologii	BA EM	27-	1-	53-		29-	46-			*	5	26.40	1.7
Arkhiv Patologii	EM	11-		29-		10-	25-				4	15.00	
Biofizika	CA-343 EM SCI	Eng. ed.	1-		1-	1-	2-		Eng. ed.		4	26.00	1.9
Biokhimiia	CA-255 EM SCI	14-	1-	MAIN 14- 17-	30-	CHEM 1- 1-	S&E 14- 11-		Eng. ed.	CSJS 29,1964-	9	30.00	5.9
Biologicheskii Zhurnal Armenii	BA CA-631		MAIN 1-			10-					2		1.6

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		UCSF	UCB	UCD	UCI	UCLA	UCSD	Lane Stanford	Norris USC	CSUC Libraries			
Biulleten' Eksperimental 'noi Biologii i Meditsiny	BA CA-135 SCI	17- & Eng. ed.	1-			23-	5-				4	25.00	2.4
Eksperimental'naia Khirurgiia i Anesteziologiia	BA EM	1-		12-		6-	9-				4	7.20	
Farmakologiia i Toksikologii	BA CA-207 EM SCI	6-	1-	20-		16-	27-				5	7.80	1.4
Farmatsiia	CA-597 EM	1939-44									0		
Fiziologicheskii Zhurnal SSSR Imeni I.M. Sechenova	BA CA-578 EM	42-	4-	12-		1-	32-	10-			6	44.00	3.4
Gigiena i Sanitariia	BA CA-197 EM	22- 1957-	PH 1944-	1968-		1951-	29- 1964-				5	13.20	4.3
Gigiena Truda i Professional'nye Zabolevaniia	BA CA-585		14-			1964-					2	13.20	7.0
Grudnaia Khirurgiia	BA					6-	1-				2	10.00	
Issledovaniia po Genetike			1-			1-2					1		
Kardiologiia	BA CA-923			7-		2-11	4-				2	22.00	
Khirurgiia	BA EM	1943- 19-		43-		27-					3	20.00	
Klinicheskaia Khirurgiia				1967-		1964-	1966-				3	16.00	
Klinicheskaia Meditsina	BA EM	17-		45-		29-	41-				4	22.00	
Klinika i Lechenie Zlokachestvennykh Novoobrazovanii			10-			9-					2		0

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		UCSF	UCB	UCD	UCI	UCLA	UCSD	Lane Stanford	Norris USC	CSUC Libraries			
Kosmicheskaia Biologiia i Meditsina	BA CA-895 EM SCI			2-	2-	2-					3	11.00	
Laboratornoe Delo	BA CA-388 EM		1959-	1969-		1964-	1964-				4	10.00	2.0
Leningrad. Sanitarnogigienicheskii Meditsinskii Instituta. Trudy											0		
Leningrad. Universitet. Vestnik. Seriia Biologiia.	BA				1-	1-	19-				3	11.00	
Leningradskii Institut Epidemiologii, Microbiologii i Gigieny Imeni Pastera. Trudy						1-					1		
Meditsinskaia Parazitologiia i Parazitarnye Bolezni	BA EM	15-	1-	37-		13-	33-				5	10.00	1.6
Meditsinskaia Promyshlennost' SSSR	EM					1-18	18-				1		
Meditsinskaia Radiologiia	BA CA-956 EM	1-				6-	9-				3	13.20	
Meditsinskaia Tekhnika	EM					1968-	1968-				2	6.00	
Mikrobiologiia	CA-357 EM SCI		1-	1935-1967		1-	BIO 13-18-				4	24.40	5.9
Neirofiziologiia			1-			2-					2	8.00	0.5
Nervnaia Sistema			1-			1-4					1		0.2
Novosti Meditsinkogo Priborostroeniia	EM					1965-					1		
Oftal'mologicheskii Zhurnal	BA		OPTO 24-			19-	19-				3	10.80	0
Ortopediia, Travmatologiia i Protezirovanie	BA EM	1955-				1958-	1964-				3	15.00	

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		UCSF	UCB	UCD	UCI	UCLA	UCSD	Lane Stanford	Norris USC	CSUC Libraries			
Patologicheskaia Fiziologiia i Eksperimental'naia Terapiia	BA CA-529					6-	8-				2	10.00	
Parazitologiia	BA		1-	2-		1-					3	13.00	2.3
Pediatriia	BA EM	1928-				1937-	1962-				3	11.00	
Prikladnaia Biokhimiia i Mikrobiologiia	BA CA-359		i-			1-	SIO 2-				3	20.00	1.7
Problemy Endokrinologii	BA EM	1955-	1959-	1967-		1955-	1964-				5	10.00	1.2
Problemy Kosmicheskoi Biologii			1-			1-					2		1.2
Problemy Gematologii i Perelivaniia Krovi	BA EM	1-				2-	9-				3		
Problemy Severa			MAIN 1-10 1958-1967			URL 4-	SIO 2-				2		0.1
Problemy Tuberkuleza	BA	22-	37-			27-	42-				4	8.00	0.4
Radiobiologiia	BA CA-409		1-		8-	3-	4-				4	18.00	3.3
Sovetskaia Meditsina	BA EM SCI	1-		31-		2-	27-	1- 1937-			5	13.20	
Sovetskoe Zdravookhranenie	EM	16- 1957-	PH 1943-	28- 1969-		10- 1951-					4	13.00	0.9
Sovetskoe Zdravookhranenie Kirgizii			PH 1966-								1		0
Stomatologiia	BA EM	1949-				1946-					2	9.00	
Sudebno-meditsinskaia Ekspertiza						7-					1		

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		UCSF	UCB	UCD	UCI	UCLA	UCSD	Lane Stanford	Norris USC	CSUC Libraries			
Terapevticheskii Arkhiv	BA EM	23-		40-		23-					3	18.00	
Tsitologiia	BA CA-398 EM SCI		1-	9-		5-	1-				4	33.00	7.3
Urologiia i Nefrologiia	BA						30-				1		
Uspekhi Fiziologicheskikh Nauk			1-			1-					2		0
Uspekhi Sovremennoi Biologii	EM		1-	66-	67-	15-	31-				5	15.00	1.6
Vestnik Dermatologii i Venerologii	BA EM					31-	38-	33-			3	13.20	
Vestnik Khirurgii Imeni I.I. Grekova	BA EM	65-		99-		71-	92-				4	19.20	
Vestnik Oftalmologii	BA EM	1944-	OPTO 1970-			1951-	1964-	11- 1937-			4	7.20	0.25
Vestnik Oto-rino-laringologii	BA EM	11-				13-	26-				3	8.00	
Vestnik Rentgenologii i Radiologii	EM	6-7 1928-29		1968-		1955-71	1964-				2	8.00	
Veterinariia	CA-831 EM			1932-		1964-					2	10.00	
Voenno-meditsinskii Zhurnal	BA										0		
Voprosy Biokhimii Mozga			1-								1		0
Voprosy Kurortologii, Fizioterapii i Lechebnoi Fizicheskoi Kul'tury	EM						1964-				1		
Voprosy Meditsinskoi Khimii	BA CA-389 EM SCI	2-		10-		9-	10-				4	10.80	
Voprosy Meditsinskoi Virusologii			1-			8-					2	0.3	

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		UCSF	UCB	UCD	UCI	UCLA	UCSD	Lane Stanford	Norris USC	CSUC Libraries			
Voprosy Neirokhirurgii	EM	4-27 1940-63		31-		15-	28-				3	6.60	
Voprosy Okhrany Materinstva i Detstva	BA	1-	9-			14-					3	13.00	0.2
Voprosy Onkologii	BA CA-728 EM	1-	12-			4-	10-				4	19.20	2.4
Voprosy Pitaniia	BA CA-453		1-	26-		23-					3	8.00	2.1
Voprosy Psikhiatrii i Nevropatologii											0		
Voprosy Revmatizma	EM					3-	4-				2	6.00	
Voprosy Virusologii	BA CA-600 EM SCI	1-	1-	12-		14-	9-				5	10.00	2.9
Vrachebnoe Delo	BA CA-832	17-29 1935-47									0		
Zdravookhurnenie Rossiiskoi Federatsii						8-					1		
Zhurnal Eksperimental'noi i Klinicheskoi Meditsiny							6-				1		
Zhurnal Evoliutsionnoi Biokhimii Fiziologii	CA-820		1-			1-	5-				3	13.20	1.0
Zhurnal Mikrobiologii, Epidemiologii i Immunobiologii	BA CA-386 EM SCI	1936-	1933-	1967-			1967-				4	19.20	4.9
Zhurnal Nevropatologii i Psikhiatrii Imeni S.S. Korsakova	BA EM	52-		67-		52-	64-			*	4	19.20	
Zhurnal Obshchei Biologii	BA EM SCI		1-	10-	29-	17-	7-			CSDS 22,1961-	5	24.40	2.8

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		UCSF	UCB	UCD	UCI	UCLA	UCSD	Lane Stanford	Norris USC	CSUC Libraries			
Zhurnal Ushnykh, Nosovyku i Gorlovykh i Gorlovykh Boleznei	BA					24-					1		
Zhurnal Vysshei Nervnoi Deiatel'nosti Imeni I.P. Pavlova	BA EM SCI	5-	1-	2-		1-	1-	16- 1966-		•	6	2.1	
SERBO-CROATIAN													
Acta Medica Iugoslavica	EM	19-	1-	16-	18-	1-	18-	1-	16- 1962-		8	0.4	
Arhiv za Higijenu Rada i Toksikologiju	EM		PH 1-			1-	15-				3	10.00	0.9
Chirurgia Maxillofacialis et Plastica	EM						4-				1	4.00	
Higijena			PH 2-7, 9-17 1950-55, 1957-65				1964-65				0		0.3
Lijecnicki Vjesnik	EM							84- 1962 (Eng.?)	84- 1962- (Eng.?)		0		
Medicinski Arhiv		15-					18-				2	15.00	
Medicinski Glasnik			4-				18-				2	8.00	0.05
Medicinski Pregled							17-				1		
Narodno Zdravlji	EM					23-28					0		
Neuropsihijatrija						15-					1		
Plucne Bolesti i Tuberkuloza						19-	21-				2		
Reumatizam		8-17 1961-70					11-				1		
Skopje. Univerzitet. Medicinskiot Fakultet. Godisen Zbornik								1- 1954-			1		

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		UCSF	UCB	UCD	UCI	UCLA	UCSD	Lane Stanford	Norris USC	CSUC Libraries			
Srpska Adademija Nauka i Umetnosti, Belgrad. Odeljenje Medicinskih Nauka. Glas						19-24 1966-71					0		
Srpski Arhiv za Celokupno Lekarstvo	EM	89-									1		
Vojnosanitetski Pregled	EM										0		
Zagreb. Univerzitet. Medicinskog Fakultet. Radovi	EM										0		
SWEDISH													
Lakartidningen	EM	62-									1	32.10	
Nordisk Hygienisk Tidskrift	EM					40-	45-				2	3.10	
Nordisk Medicin (formerly, Medicinhistorisk Aarsbok)	EM	1-		1-		1-	1-	1- 1949-			5	10.75	
Nordisk Medicinhistorisk Aarsbok		1968- 1960-67				1968- 1967					2		
Odontologiska Foreningens Tidskrift	EM					25-					1	4.40	
Svensk Tandlakare-Tidskrift	EM	7-				1-					2	17.50	
TURKISH													
*Saglik Dergisi (Journal of Hygiene)	EM					24-							1
Turk Hijiyen ve Tecrubi Biyoloji Dergisi	EM	1-3 1938/40-43									0		
Turk Tip Cemiyeti Mecmuasi		11-36 1945-70								14- 1948-	1		
UKRAINIAN													
Farmatsevtychnyi Zhurnal	CA-363					24-					1		

* Not indexed in Index Medicus

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		UCSF	UCB	UCD	UCI	UCLA	UCSD	Lane Stanford	Norris USC	CSUC Libraries			
Fiziologichnyi Zhurnal	BA CA-804		1-			1-	15-				3	15.00	1.2
Fiziologiia i Biokhimiia						1-					1		
Mikrobiolohichnyi Zhurnal	BA CA-710		1-			22-	SIO 19-9-				4	13.00	0.8
Pediatriia, Akusherstvo i Ginekologiia	BA						1964-				1		
Ukrains'kyi Biokhimichnyi Zhurnal	BA CA-350 SCI		1-	39-		7-					3	13.20	1.0

APPENDIX B:

SERIALS WITH NO CIRCULATION HISTORY

CALL NO.	LIBRARY	SERIAL TITLE
AS222 U7	MA	Urbino (City Universita Libera./Pubblicazioni.
AS244 A596	MA	Amstelodamum, Amsterdam./Jaarboek van het genootschap Amstelodamum.
B6 K3P7	MA	Katource, Poland (City)Wyzsza Szkole....
B720 C67	MA	Corpus philosophorum danicorum medii aevi.
D1 07	MA	Orientalia gandensia jaarboek.
D1050 D6	MA	Documentation sur l'Europa central....
DD901 R8A1B45	AN	Beitraege zur Ur-und-Fruegeschichte.
DG975 V46V35	MA	Vercelli, Italy. Instituto di belle arti quaderni...
DP302 B36 S3	MA	San Jorge.
DR369.5 A1P75	MA	Prispevki za zodovino delavskega grbania.
F636 A8	MA	Augustana Historical Society, Rock Island, Ill....
F836 N45Q3	MA	Nevada State Historical Society. Quarterly.
G58 L83	MA	Lund. Universitet. Geografiska Institution....
GN2 A16	AN	Akademiia Nauk, SSSR. Muzei antropologii i etnografii..
GN700 P66	AN	Popularnonaukowa biblioteka archeologiczna.
HA2181 A32	DO	Morocco (Country) al-Maslahah al-Markaziyah lil-Ihsa iyat./Bulletin....
HD28 M621	MA	Moderna organizacija.
HD4811 I72	SO	International trade union news.
HD9259 P3p35	AG	Peach-times.
HE2357 N4	MA	New England Shippers Advisory Board./Proceedings....
HF3732.5 I6	MA	Informatorov Poslovni Vodic....
HG3460 S9B3	MA	Bank of New South Wales./Annual report.
J110 H3	DO	British Columbia. Legislative Assembly./Journal of the..
JQ1089 K36V6	MA	Voprosy istorii Kommunisticheskoi partii Kazakhstana....
L51 Z34	MA	Zbornik za historiju skolstva i prosvjete....
N2510 M79	MA	Musei e gallerie d'Italia....
P19 B42	MA	Belgrad. Univerzitet. Filoloski fakultet./Anali.
QB1 Z456	MA	Zemlia i Vselennaia.
QC851 W25W9	MA	Warsaw (City) Panstowy Instytut Hydrologiczno-Meteorologiczny....
QC925.4 G7A3	MA	Gt. Brit. Meteorological Office./British rainfall.
QP501 E88	BI	Excerpta Medica. Biochemistry (Reference)
S405 L39	AG	Farmers' report.
S590 P68	AG	Povyshenie plodorodiia pochv....
SD1.1 M53M5	FO	Michigan. University. Dept. of Forestry./Michigan forestry.
TF4 E45	MA	Elektricheskaia i teplovoznaia tiaga....
X480 P.E.-297	MA	unidentified
953 W615W24	MA	Walt Whitman Fellowship./Papers.
BC1 K7P7	MA	Krakow. UniversYtet Jagiellonski./Prace z logiki.
D410 S88	MA	Studii z dziejow ZSRR i Europy Srodkowej.
DG975 R7P5	MA	La Pie.
DL106 A27	MA	Copenhagen. Universitet. Institut for Navneforskning...

DS3 A2S4S7	MA	Scandinavian Institute of Asian Studies./Special publications.
E78W512 A45	AN	American Indian Research Project./Oyate....
fGB128.3 S8?	MA	unidentified
GB611 P76	MA	Problemy osvoeniia pustyn'.
GR257 F6	MA	Folclor din Oltenia se Muntenia.
H3 U6 T7	MA	Universite de droit d'economie et de sciences sociales des Paris....
HD6515R9 U6	SO	United Rubber, Cork, Linoleum and Plastic Workers of America./Proc....
HE2367 T7	MA	Trans-Missouri Shippers Board./Proceedings.
HF6121 H664	MA	Gebbie Press House Magazine Directory. (Reference)
JN7261 F57	DO	Folketinget.
fNA6 A638	EV	Arhitektura urbanizam.
PC401.8 A18 B6	MA	unidentified
RA523 Y8 A1 S6	BI	Socijalna medicina.
S3F23 ser.2	AG	Farmer and Stock-breeder.
S9 P55 P8	AG	Pisa. Universite. Instituto di Agronomia Generale e Coltivazione....
SB13 N66	EV	Norsk hagetidend.
SD1 S86	FO	Svensk travaru-tidning.
SD1.1 S66 T8	FO	Tudomazyos kozlemenyei.
SD231 T57	FO	Tipy lesov Sibiri.
SD432 C57	FO	Coordinated Wood Preservation Council./Minutes of the annual meeting.
fZ754 M6 A2	LI	Mona, Jamaica. University of the West Indies Library./ Report.

Library Abbreviations

AG - Agriculture
AN - Anthropology
BI - Biology
CH - Chemistry
DO - Documents
EA - Earth Sciences
EN - Engineering
FO - Forestry
LI - Library School
MA - Main Library
MT - Astronomy, Mathematics, Statistics
PU - Public Health
SO - Social Sciences
SW - Social Welfare

Source: Nate Plotkin's unpublished "Serials Circulation Study" done on the campus of the University of California, Berkeley, December, 1973.

RECENT ILR PUBLICATIONS

Publication of papers and reports of interest to scholars and practitioners in the field of library and information science is an important function of the Institute of Library Research. In addition to this study, the following have been published recently by ILR.

ILR-73-001 Todd, Judy, Summary Report of Student Studies of the Subject Headings Used in the University of California, Berkeley Subject Catalog (July 1973) 8 pp. (ERIC NO. ED 082 775)

ILR-73-002 Bourne, Charles P., and Jo Robinson, SDI Citation Checking as a Measure of the Performance of Library Document Delivery Systems (July 1973) 10 pp. (ERIC NO. ED 082 774)

ILR-73-003 Weeks, Kenneth, Determination of Pre-Acquisition Predictors of Book Use: Final Report (July 1973) 20 pp. (ERIC NO. ED 082 776)

ILR-73-004 Weeks, Kenneth, Proposal for a University of California/ California State University and Colleges Inter-Segmental Machine Readable Library Patron Card (August 1973) 21 pp. (ERIC NO. ED 082 777)

ILR-73-005 LeDonne, Marjorie, "Summary of Court Decisions Relating to the Provision of Library Services in Correctional Institutions," Association of Hospital and Institution Libraries Quarterly (Winter/Spring 1973) 9 pp.

ILR-73-006 Thelin, John, and Bonnie F. Shaw (editors), Institute of Library Research Annual Report: July 1972 to June 1973 (September 1973) 30 pp.

ILR-73-007 Dekleva, Borut, Uniform Slavic Transliteration Alphabet (USTA) (October 1973) 82 pp.

ILR-73-008 LeDonne, Marjorie, Findings and Recommendations. Volume I., Survey of Library and Information Problems in Correctional Institutions (January 1974).

ILR-73-009 LeDonne, Marjorie, Access to Legal Reference Materials in Correctional Institutions. Volume II., Survey of Library and Information Problems in Correctional Institutions (January 1974).

ILR-73-010 LeDonne, Marjorie, David Christiano, and Jane Scantlebury, Current Practices in Correctional Library Services: State Profiles. Volume III., Survey of Library and Information Problems in Correctional Institutions (January 1974).

ILR-73-011 LeDonne, Marjorie, David Christiano, and Joan Stout, Bibliography., Volume IV., Survey of Library and Information Problems in Correctional Institutions (January 1974)